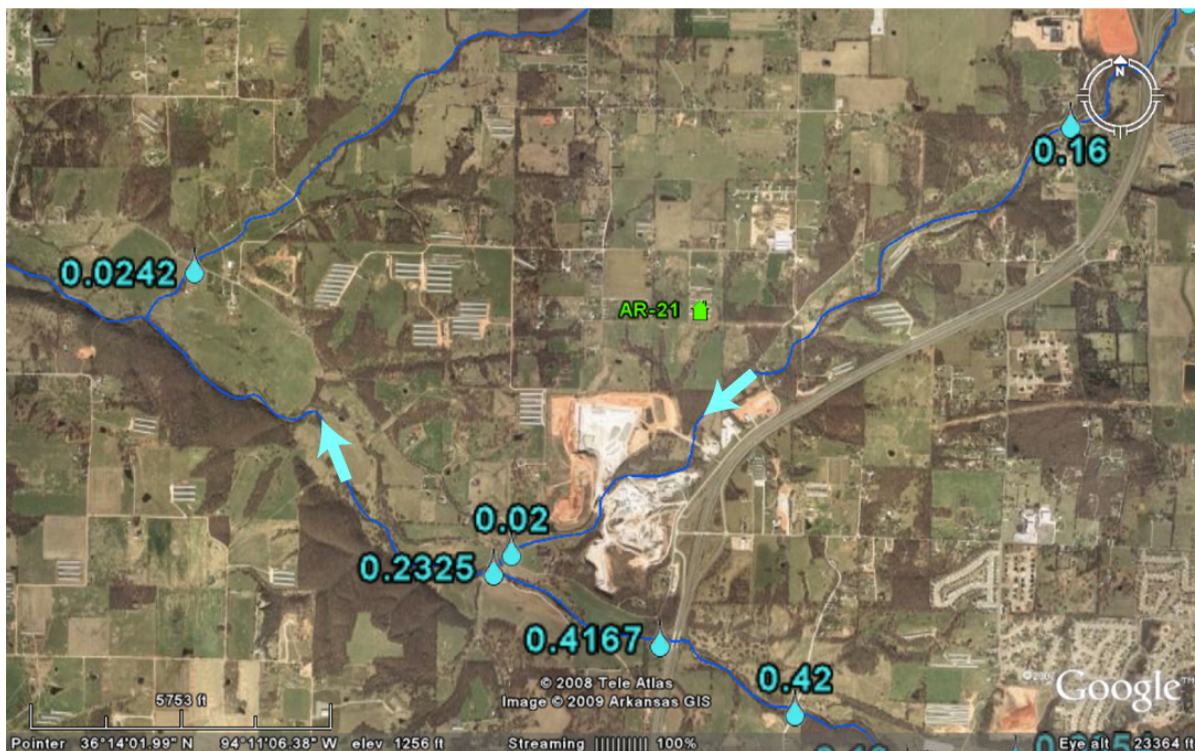


3.21 Site AR-21

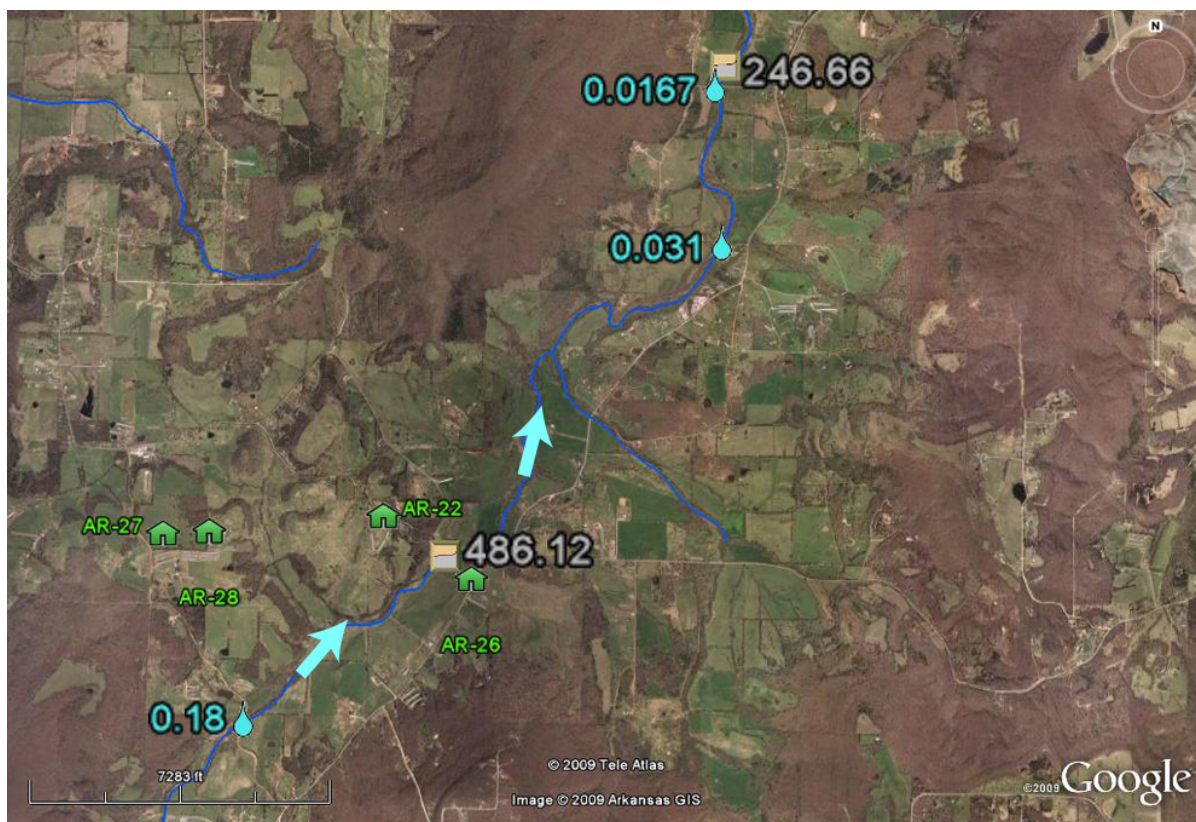
Owner: D. Gibbs; Long -94.179133 Lat 36.237566



- **Available Data and Analysis:** Upstream of the site, surface water P was 0.16 mg/L, decreasing to 0.02 mg/L just above the confluence with a higher-order stream. No soil, sediment, groundwater, or edge-of-field samples have been collected within two miles of the site. The nearest sediment sample appears to be more than seven miles downstream.
- **Site Effect on the Watershed:** Based on the available data and analysis, this site has not affected receiving waters or sediments of the IRW.

3.22 Site AR-22

Owner: R. Aday; Long -94.278300 Lat 35.921400



- Available Data and Analysis:** No soil or groundwater samples have been collected within two miles of the site, and no edge-of-field samples or surface water samples adjacent to this site have been collected. A surface water sample (0.18 mg/L P), about one mile west of AR-22, is from upstream of the site but in the vicinity of other potential anthropogenic sources (see inset, above). See Appendix B. A sediment sample (486 mg/kg P) collected one quarter mile north of the site, in the potentially affected range (460 to 600 mg/kg P), may reflect the upstream affected surface water. However, surface water (0.031 mg/L and 0.017 mg/L P) and sediment (246 mg/kg P) samples 2.6 miles downstream from this sample location show no apparent effects from upstream.
- Site Effect on the Watershed:** Based on the available data and analysis, there is no evidence that site AR-22 has affected receiving waters or sediments of the IRW.

3.23 Site AR-23

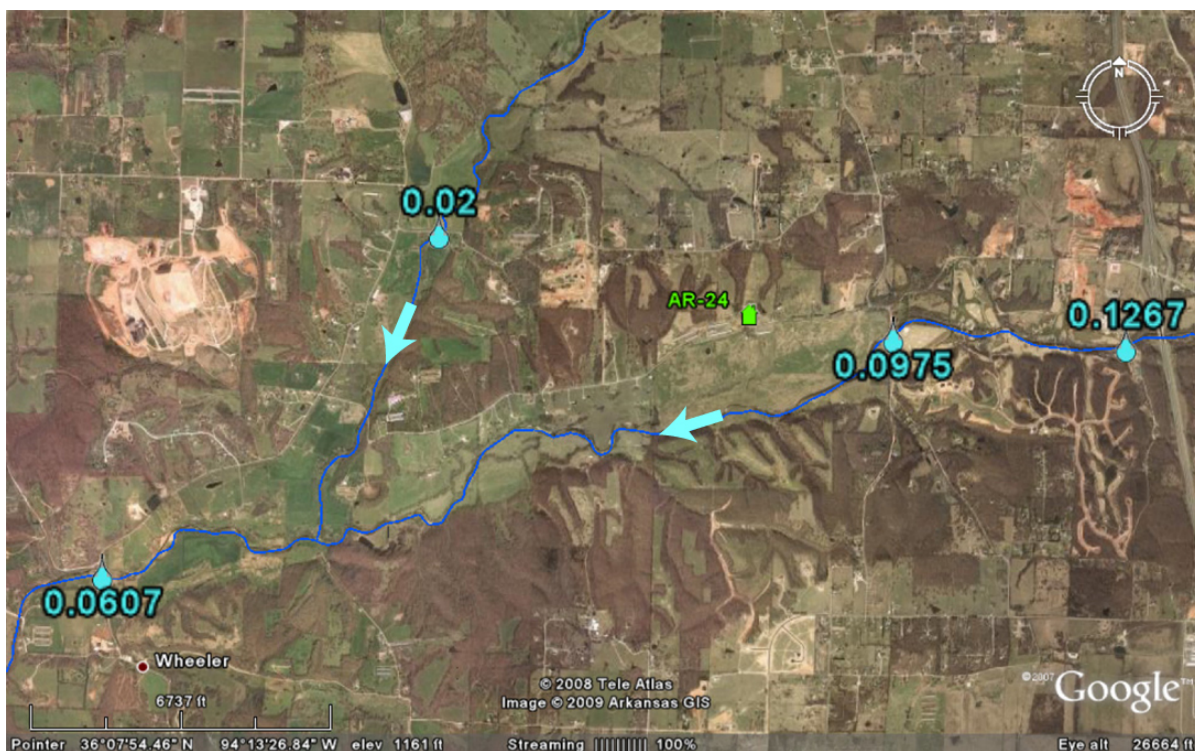
Owner: D. Bush; Long -94.208516 Lat 36.253983



- **Available Data and Analysis:** No soil or groundwater samples have been collected within two miles of the site. A surface water sample (0.024 mg/L P) collected about one mile to the south shows no apparent effect from AR-23.
- **Site Effect on the Watershed:** Based on the available data and analysis, this site has not affected receiving waters or sediments of the IRW.

3.24 Site AR-24

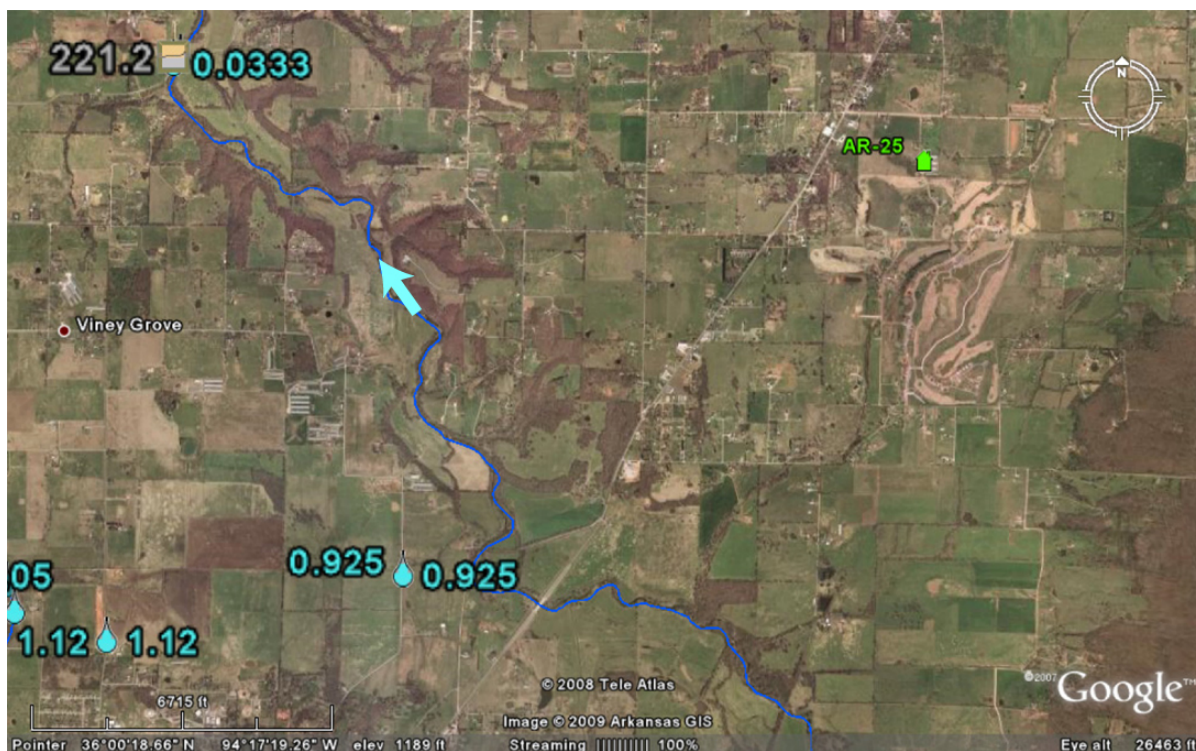
Owner: J. Reed; Long -94.213316 Lat 36.135950



- **Available Data and Analysis:** There have been no soil, sediment, or groundwater samples collected within two miles of the site. The nearest downstream surface water sample (0.061 mg/L P) is about three miles west of the site. There are other potential anthropogenic sources of P between AR-24 and this surface water sample.
- **Site Effect on the Watershed:** Based on the available data and analysis, there is no evidence that this site has affected receiving waters or sediments of the IRW.

3.25 Site AR-25

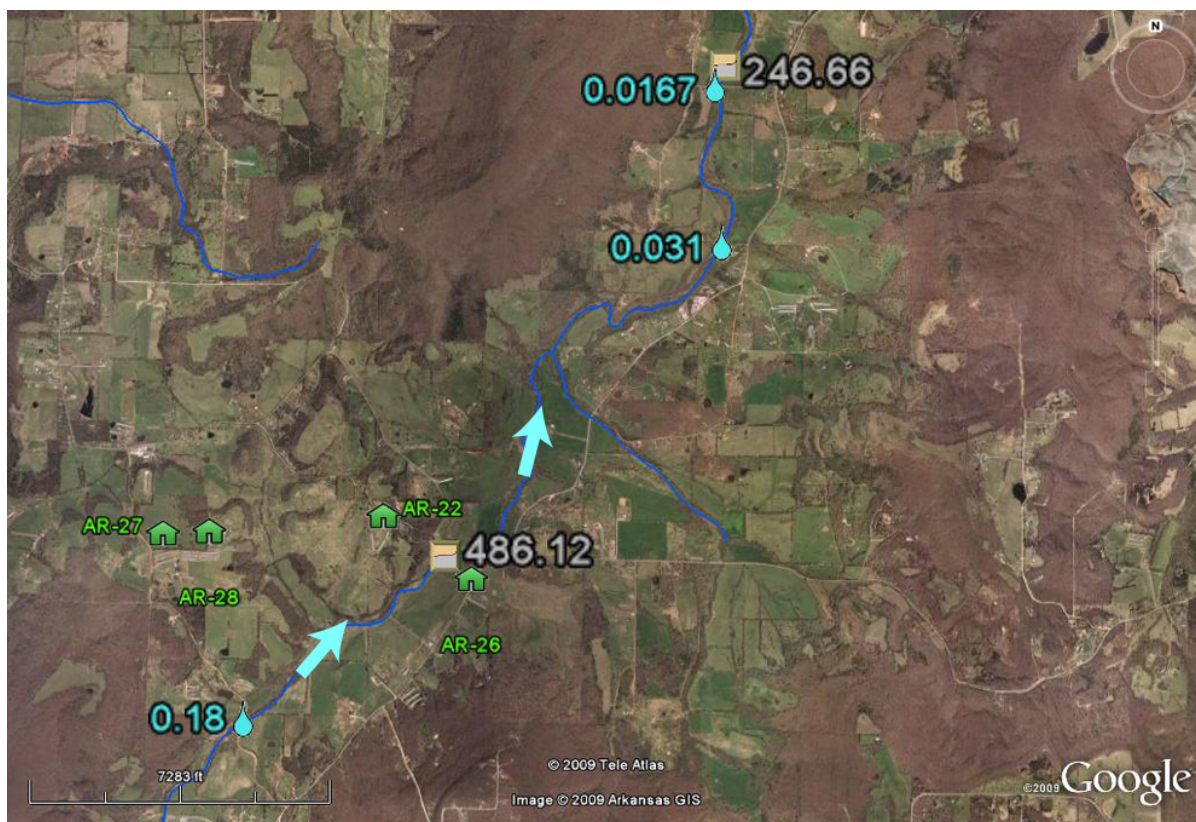
Owner: S. Swearingen; Long -94.265166 Lat 36.018566



- Available Data and Analysis:** There have been no soil, sediment, or groundwater samples collected within two miles of the site. Drainage from the site goes through a golf course south of the property, and an adjacent residential area, before entering the receiving stream, about two miles to the south. A surface water sample (1.225 mg/L P) collected about two miles to the northwest of AR-25 appears to be an edge-of-field sample unrelated to this site (See Appendix B). The surface water sample at 0.925 mg/L P is collected from a receiving water on the other side of the stream from AR-25. Co-located surface water (0.033 mg/L P) and sediment (221 mg/kg P) samples collected about five miles downstream from site AR-25 show no apparent effects.
- Site Effect on the Watershed:** Based on the available data and analysis, site AR-25 has not affected receiving waters or sediments of the IRW.

3.26 Site AR-26

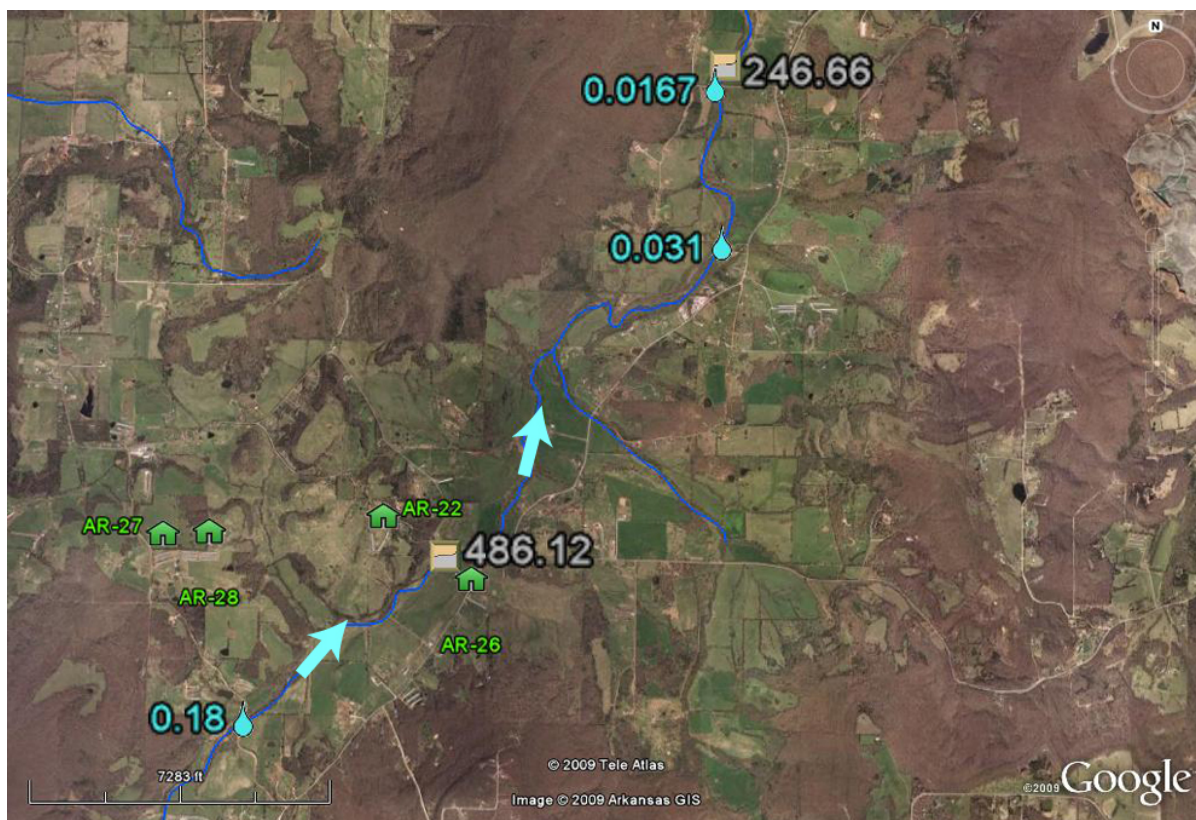
Owner: N. Findahl; Long -94.271016 Lat 35.917150



- Available Data and Analysis:** There have been no soil or groundwater samples collected within two miles of the site, and no edge-of-field samples or surface water samples adjacent to this site have been collected. A surface water sample (0.18 mg/L P) from about one mile west of AR-26 is upstream of the site but in the vicinity of other potential anthropogenic sources. A sediment sample (486 mg/kg P) collected one quarter mile north of the site, in the potentially affected range (460 to 600 mg/kg P), is located upstream and shows no potential effects from AR-26. Surface water (0.031 mg/L and 0.017 mg/L P) and sediment (246 mg/kg P) samples collected 2.6 miles downstream from this sample location show no apparent effects from upstream concentrations.
- Site Effect on the Watershed:** Based on the available data and analysis, there is no evidence that site AR-26 has affected receiving waters or sediments of the IRW.

3.27 Site AR-27

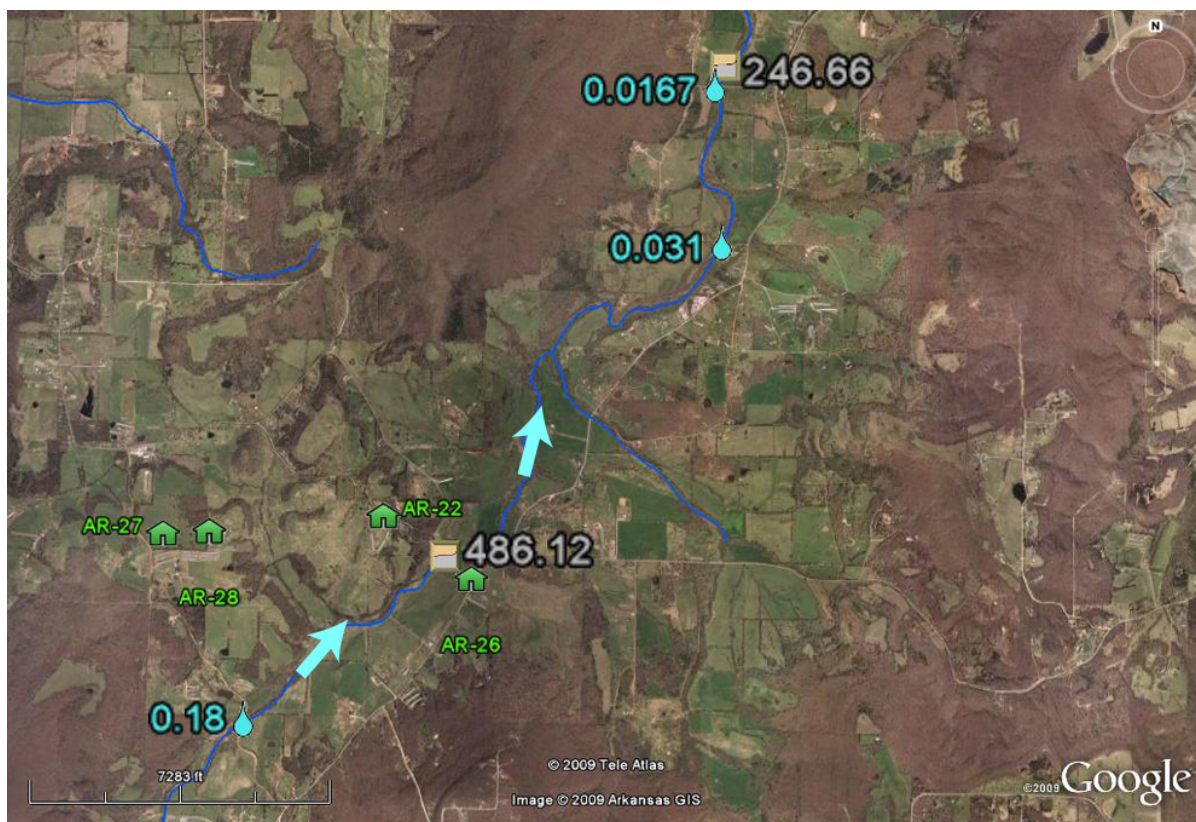
Owner: K. & D. Thomas; Long -94.296616 Lat 35.920233



- Available Data and Analysis:** There have been no soil or groundwater samples collected within two miles of the site, and no edge-of-field samples adjacent to this site have been collected. Drainage from the site is to the east and then the south. A surface water sample ~0.8 miles south of AR-27 (0.18 mg/L P) is upstream of the confluence with drainage from the site but in the vicinity of other potential anthropogenic sources. See Appendix B. A sediment sample (486 mg/kg P) collected one quarter mile north of the site in the potentially affected range (460 to 600 mg/kg P) may reflect the upstream affected surface water. However, surface water (0.031 mg/L and 0.017 mg/L P) and sediment (246 mg/kg P) samples collected 2.6 miles downstream from AR-27 show no apparent effects from upstream concentrations.
- Site Effect on the Watershed:** Based on the available data and analysis, there is no evidence that site AR-27 has affected receiving waters or sediments of the IRW.

3.28 Site AR-28

Owner: G. Horne; Long -94.292800 Lat 35.920366



- Available Data and Analysis:** There have been no soil or groundwater samples collected within two miles of the site, and no edge-of-field samples adjacent to this site have been collected. Drainage from the site is to the east and then the south. A surface water sample ~0.8 miles south of AR-28 (0.18 mg/L P) is upstream of the confluence with drainage from the site but in the vicinity of other potential anthropogenic sources. See Appendix B. A sediment sample (486 mg/kg P) collected one quarter mile north of the site in the potentially affected range (460 to 600 mg/kg P) may reflect the upstream affected surface water. However, surface water (0.031 mg/L and 0.017 mg/L P) and sediment (246 mg/kg P) samples collected 2.6 miles downstream from AR-28 show no apparent effects from upstream concentrations.
- Site Effect on the Watershed:** Based on the available data and analysis, there is no evidence that site AR-28 has affected receiving waters or sediments of the IRW.

3.29 Site AR-29

Owner: R. & P. Haegele; Long -94.382300 Lat 35.874300



- Available Data and Analysis:** There have been no soil or groundwater samples collected within two miles of the site, and no edge-of-field samples have been collected. A surface water sample (0.07 mg/L P) collected ~1.3 miles downstream of AR-29 shows slightly elevated P, while the co-located sediment sample (493 mg/kg P) is in the potentially affected range. There are other anthropogenic activities between AR-29 and the downstream sample locations that potentially contribute P to the environment. See Appendix B. Another surface water sample (0.027 mg/L P) and sediment sample (360 mg/kg) collected two miles further downstream show no apparent effects.
- Site Effect on the Watershed:** Based on the available data and analysis, there is no evidence that site AR-29 has affected receiving waters or sediments of the IRW.